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(71) Applicant: SHIN-ETSU CHEMICAL CO., LTD.
Chiyoda-ku Tokyo (JP)

(72) Inventor: Nakanishi, Tetsuo,
c/o Silicone Elec. Mat. Re. Ct.
Matsuidamachi, Usui-Gun, Gunma-Ken (JP)

(74) Representative: Bubb, Antony John Allen et al
Wilson Gunn Gee,
Chancery House,
Chancery Lane
London WC2A 1QU (GB)

(54) Polyhydric alcohol-modified silicone and cosmetic material containing same

(57) This invention relates to a novel polyhydric alcohol-modified silicone, and to cosmetic products containing the same. When the polyhydric alcohol-modified silicone was used as an oil base, the cosmetic containing it had excellent adhesion to the skin without being sticky and had a clean feel, and when it was used as an emulsifying agent, it had excellent emulsification stability.

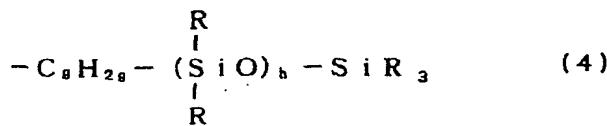
It was found that when this polyhydric alcohol-modified silicone represented by the general formula (1) below, and obtained by the addition reaction of a polyhydric alcohol-substituted hydrocarbon group, a silicone compound and an organohydrogen polysiloxane, was used as an oil base or an emulsifying agent, it had very high affinity with silicone oil bases and excellent emulsifying power, and the stability of the emulsion obtained was very good.



(where, R¹ is an alkyl group, R² is represented by the following general formula (3):



(where, Q is a bivalent hydrocarbon group, and X is a polyhydric alcohol-substituted hydrocarbon group, and R³ is an organosiloxane represented by the following general formula (4):



(where, R is an alkyl group)



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EUROPEAN SEARCH REPORT

Application Number

EP 01 31 0256

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A,D	US 5 306 838 A (SUZUKI YUJI ET AL) 26 April 1994 (1994-04-26) * claims; examples *	1-10	
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TECHNICAL FIELDS SEARCHED (Int.Cl.7)			
C08G A61K			
The present search report has been drawn up for all claims			
Place of search MUNICH	Date of completion of the search 3 February 2003	Examiner Kolitz, R	
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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